

Figure 1

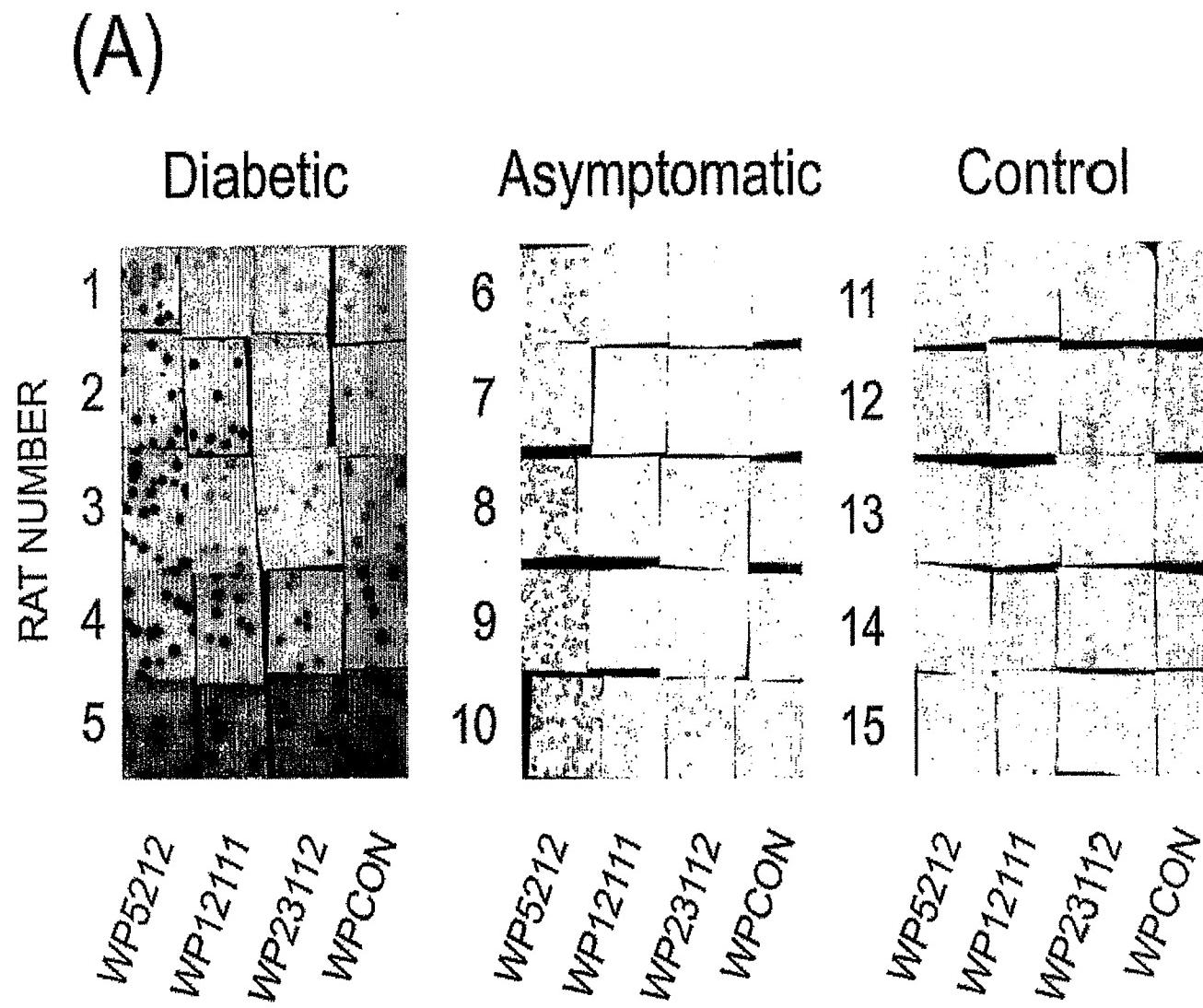


Figure 2A

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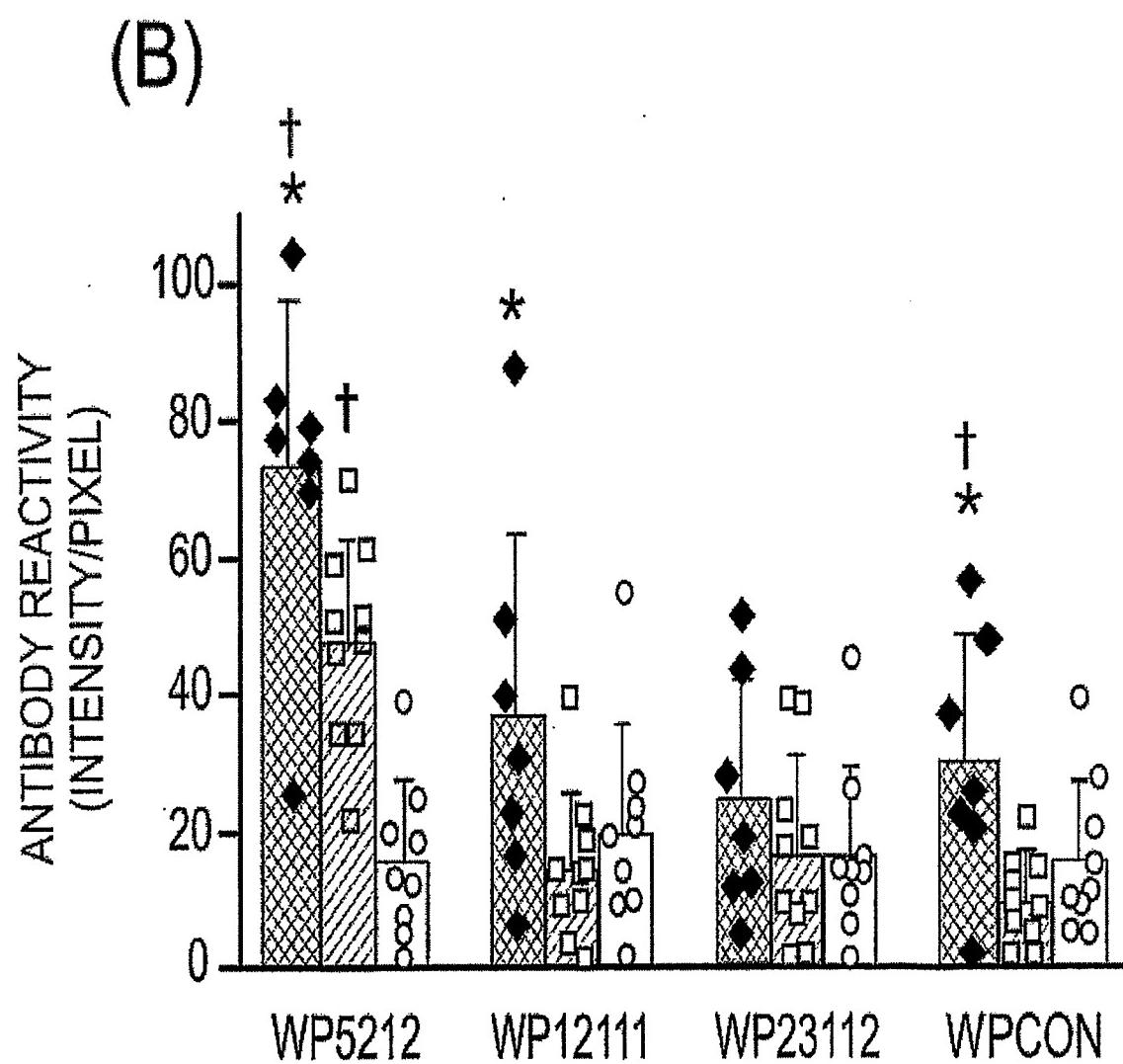


Figure 2B

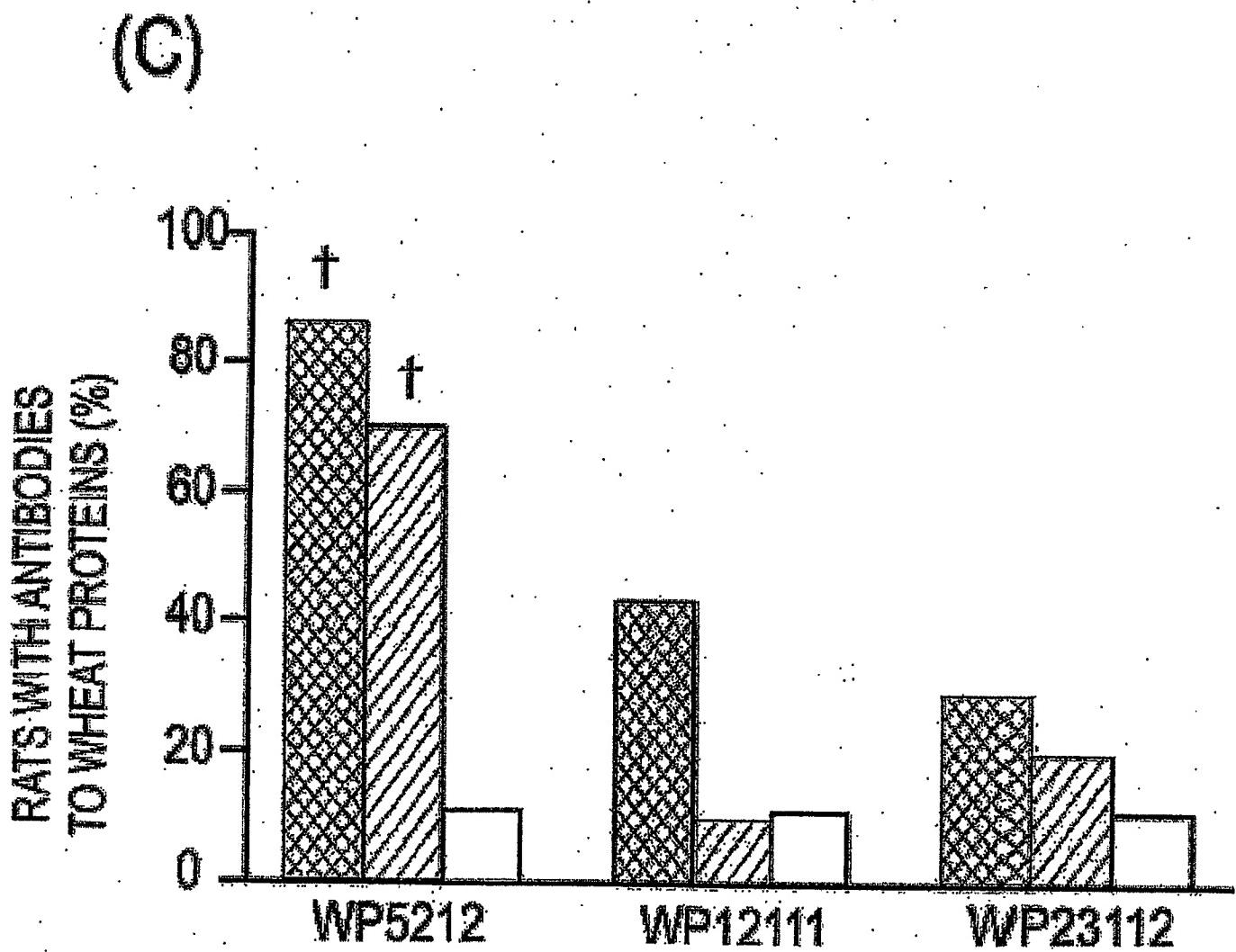


Figure 2C

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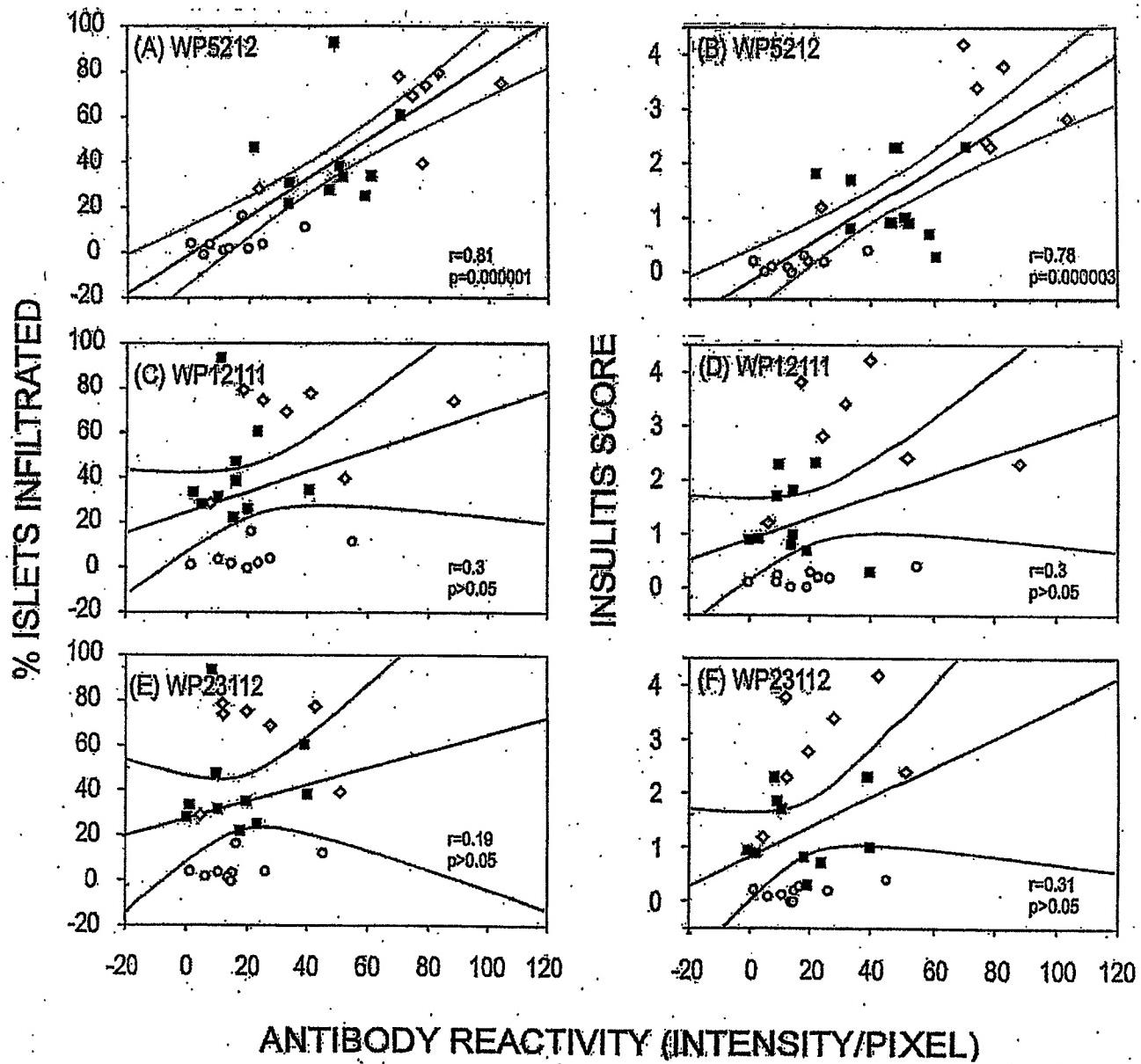


Figure 3

(A)

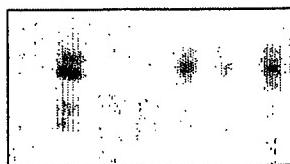
PRE-DIABETIC

ASYMPTOMATIC

kDa

46 —

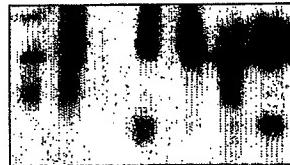
36 —



50 d

46 —

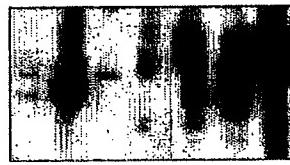
36 —



70 d

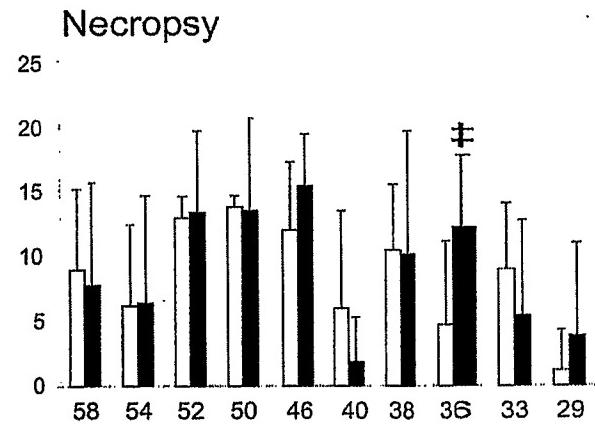
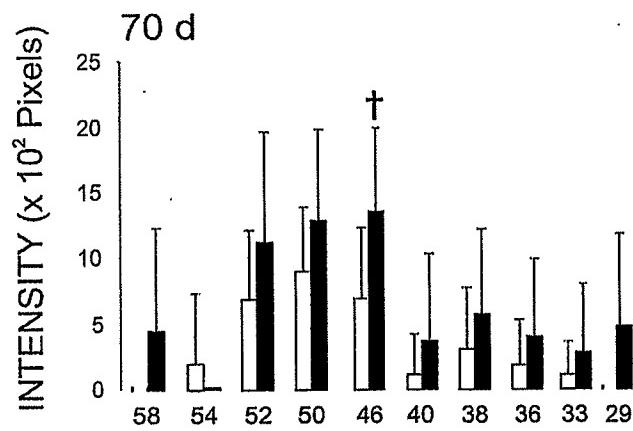
46 —

36 —



Necropsy

(B)

**Figure 4**

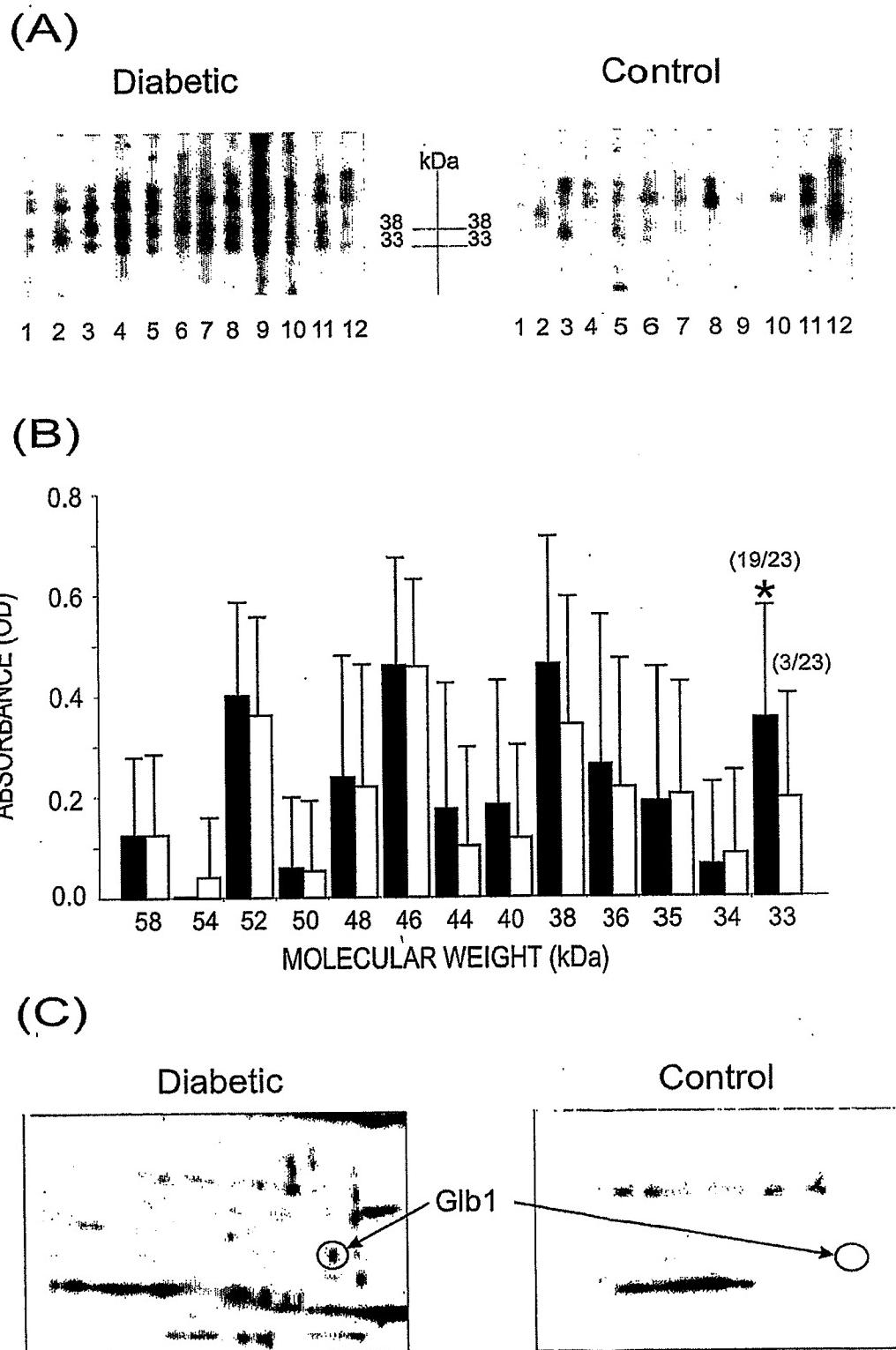
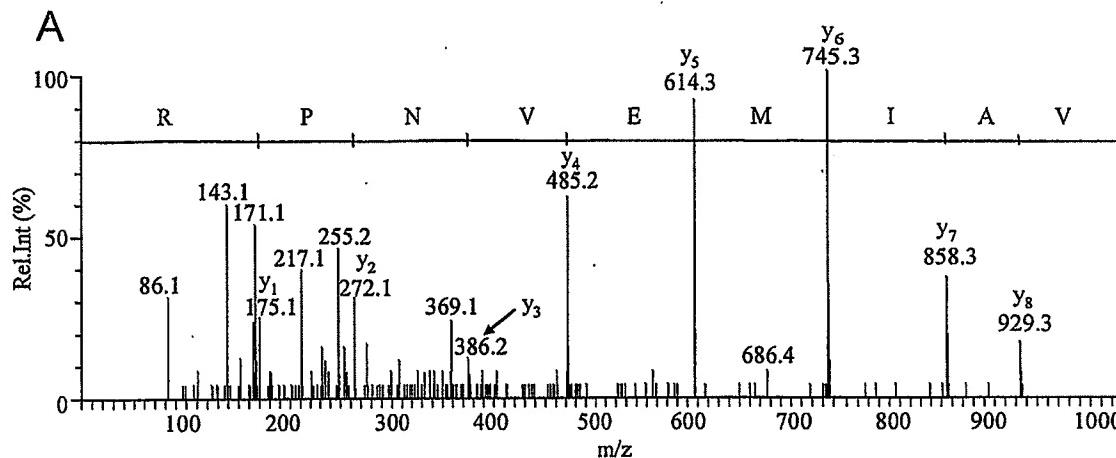


Figure 5

**B**

PANEL B Theoretical and observed tryptic peptides of WSG and WP5212

Theoretical fragmentation ^a of Glb1 (Acc. No. AAA34269)	Theoretical fragmentation ^a of WP5212	Experimental fragmentation
RPYVFGPR VAIMEVNPR AQDQDEGFVAGPEQQSR FQFLSVKPLLASK GSESESEEEEEQQR LGSPAQELTFGRPAR DTFNLLERQPK SFHALANQDVR GGHSLQQCVR ALRPFDQVSR IIQSDHGFVR HEQEEEQGR GDEAVETFLR EQEQEGER ILHTISVPKG EEEEEDDR EAAEGGQQGHR DDQQQHGR	RPYVFGPR VAIMEVNPR ATIPLLFLLGTSLLFAAAVSASHDEEDR AFVPGLTDADGVGYVAQGEGVLTVIENGK VAVANITPGSMTAPYLNTQSFK QGDVIVAPAGSIMHLANTDGR LAVVLEGEGEVEIVCPHLGR GSASFVPPGHPVVEIASSR DQQDEGFVAGPEQQQEHER QASEGDQGHHWPLPPFR GSSNLQVVCFEINAER LDDPAQELAFGRPAR FQYFSAKPLLA SLSK GSGSESEEEQDQQR DTFNLLERQPK SFHALAQHDVR GDEAVEAFLR ALRPFDDEVSR ILHTISVPKG GDSSTMATR SEEEEDDR DDQQQHGR HEQEEEQGR DEEHGDGR LGSLLGSR LYEADAR	RPYVFGPR VAIMEVNPR

^a Theoretical fragmentation was calculated using the PeptideCutter program (Swiss Prot (2002) website address: <http://us.expasy.org/tools/peptidecutter>, Swiss Institute of Bioinformatics, Epalinges, Switzerland)

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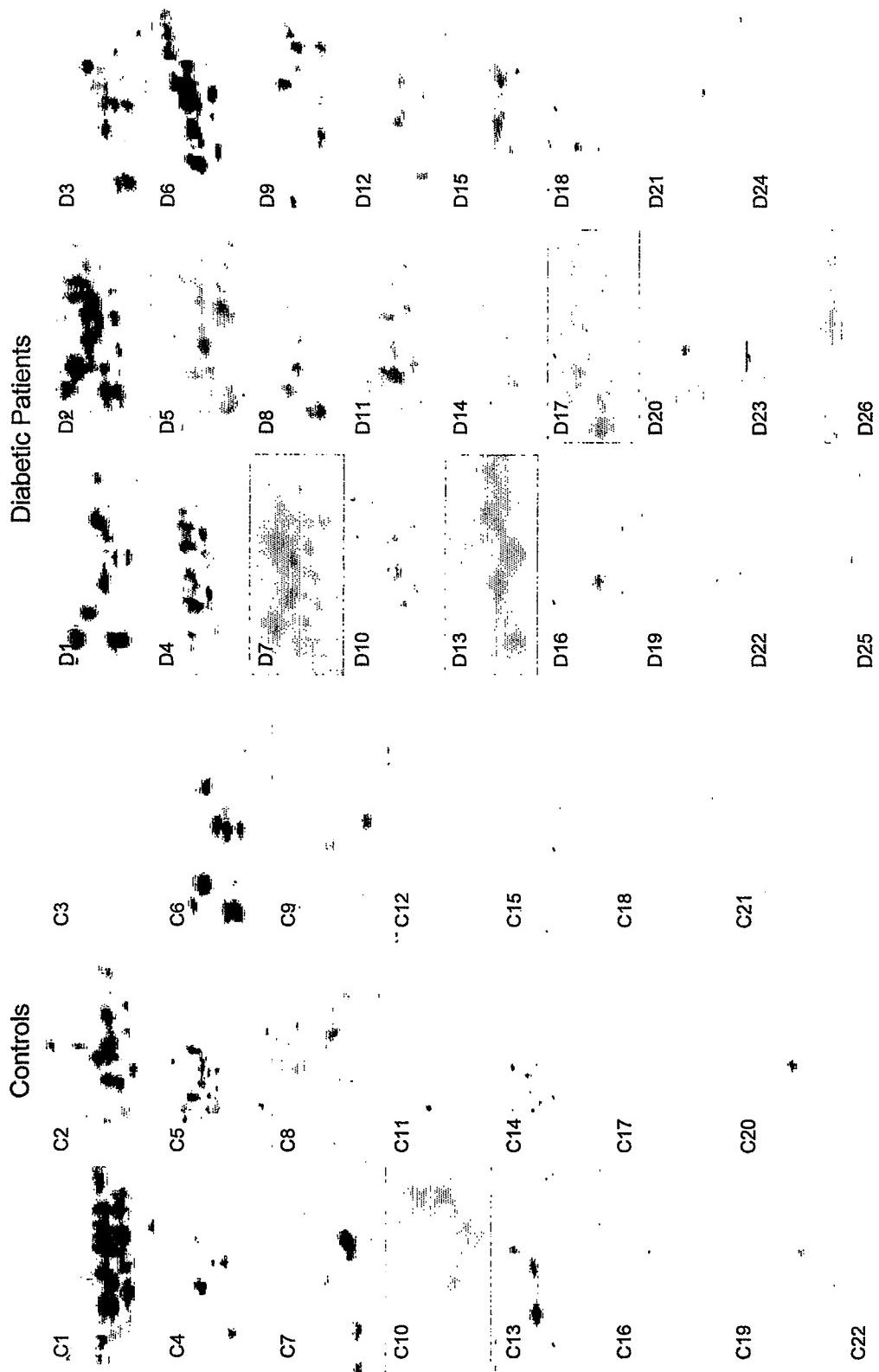


Figure 7

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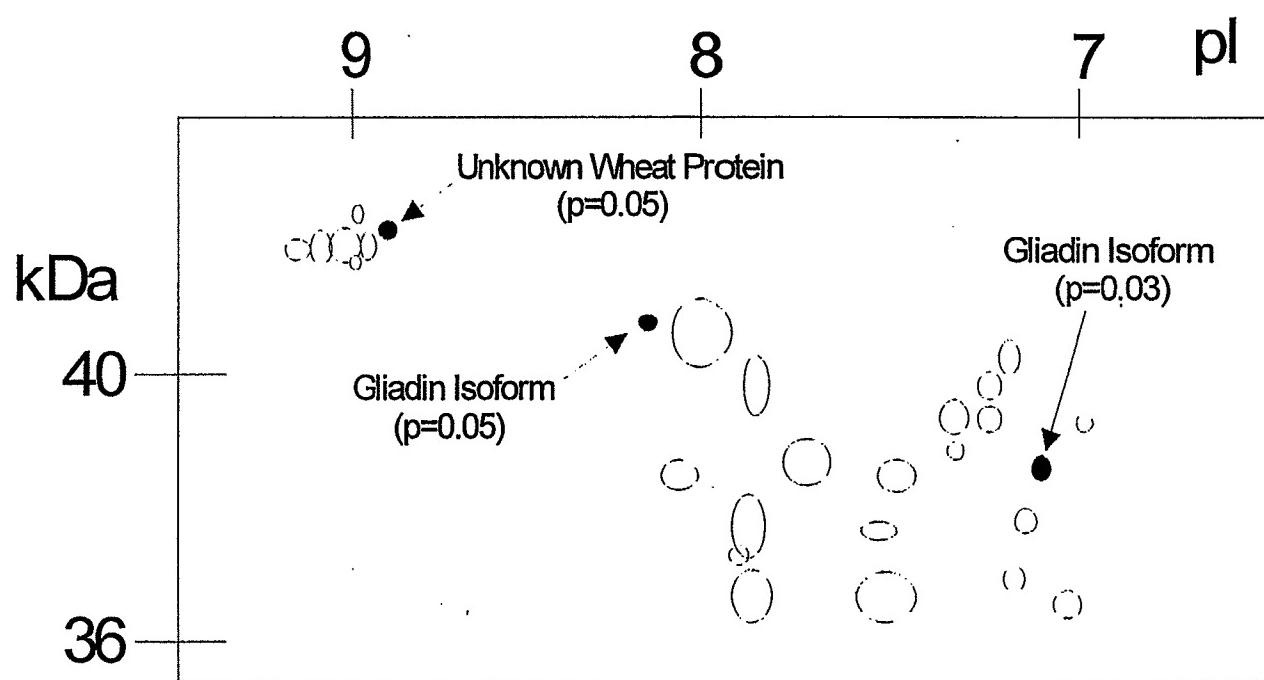


Figure 8

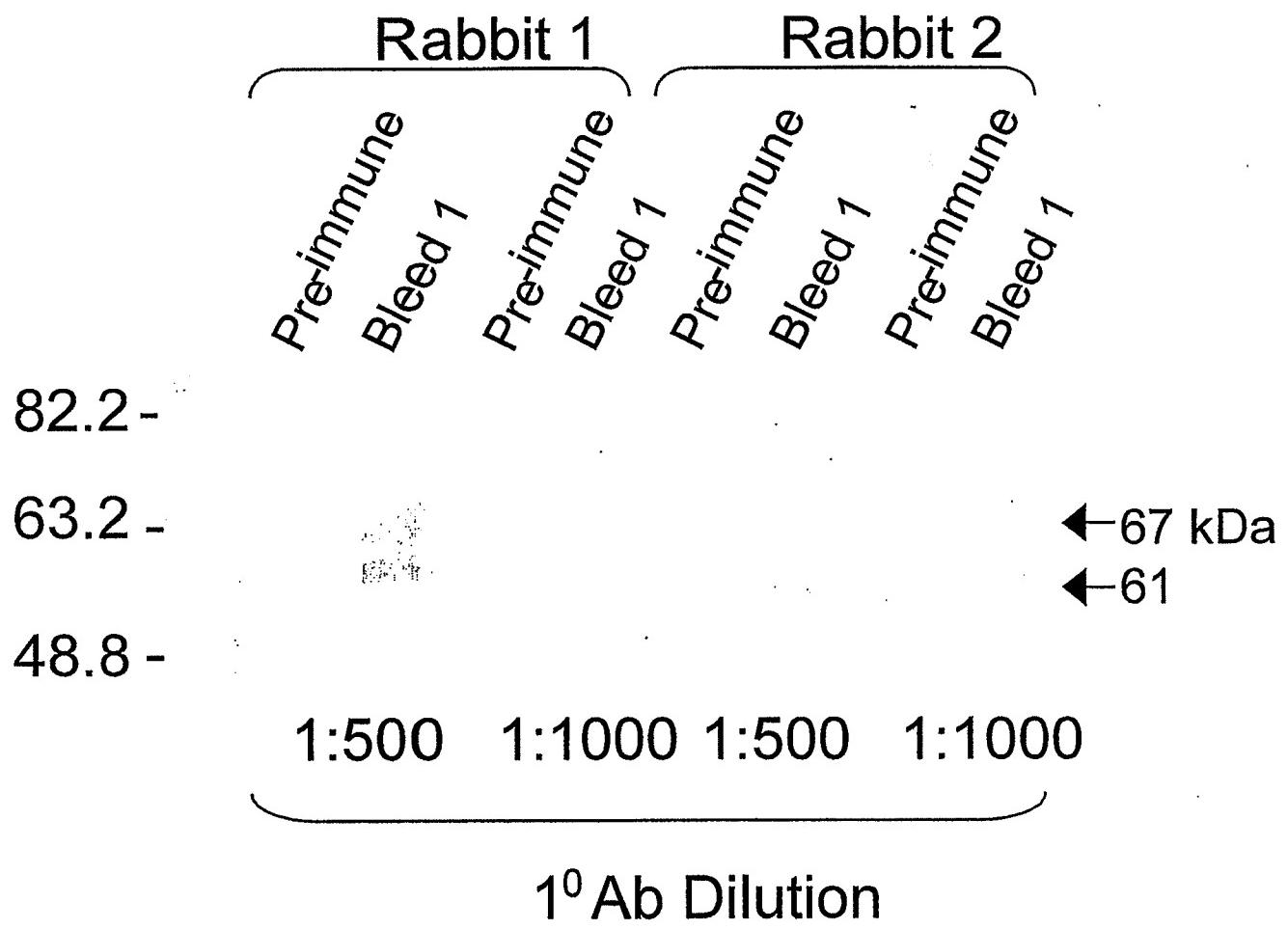


Figure 9

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**Figure 11**

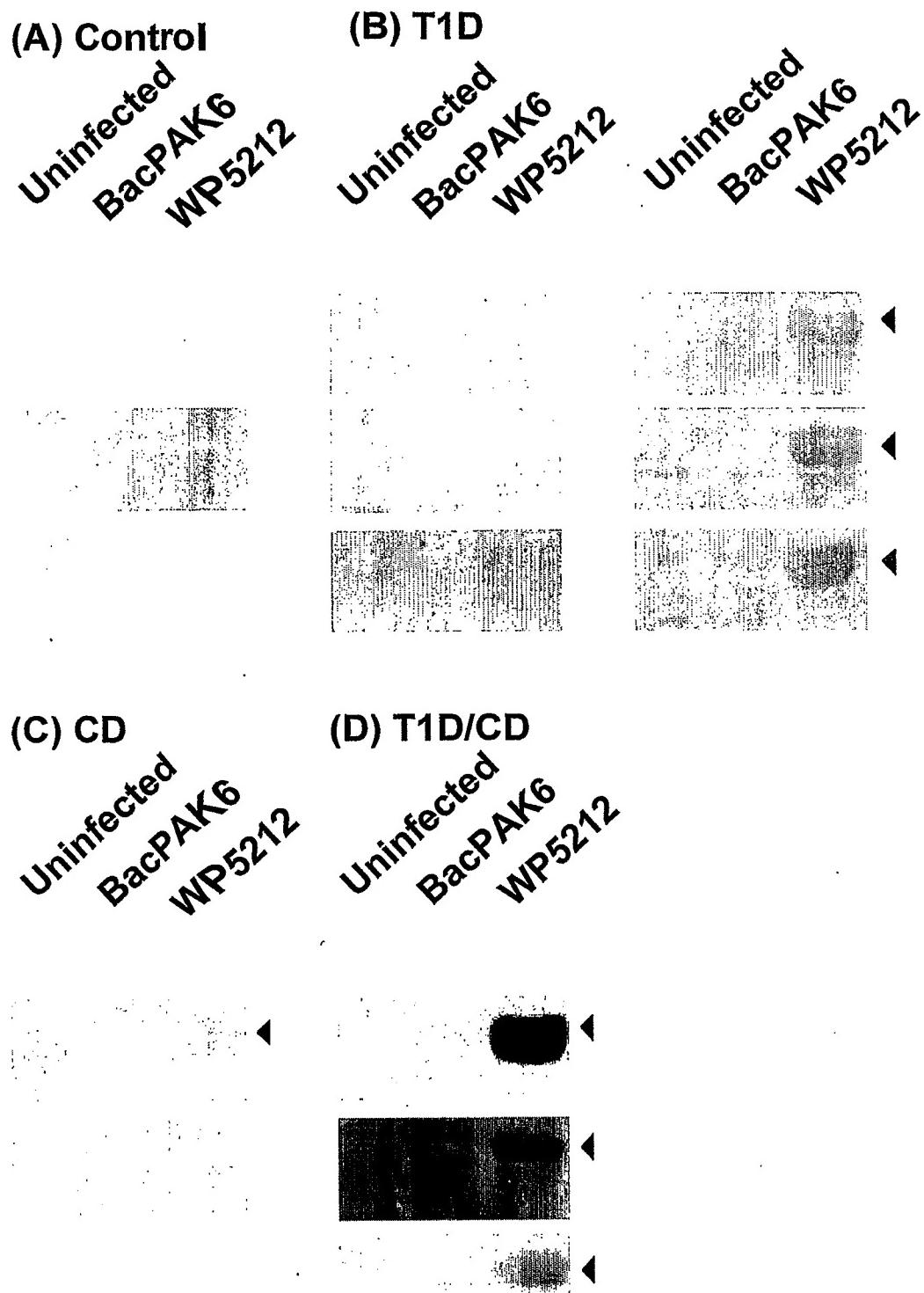
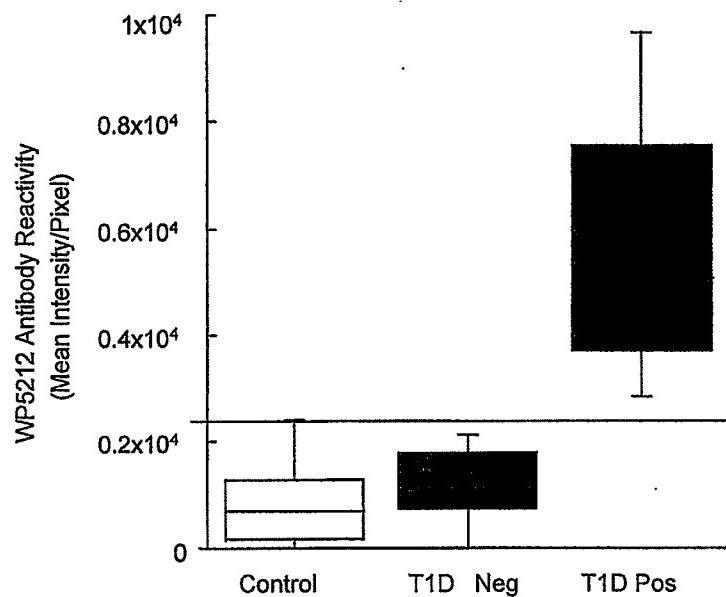


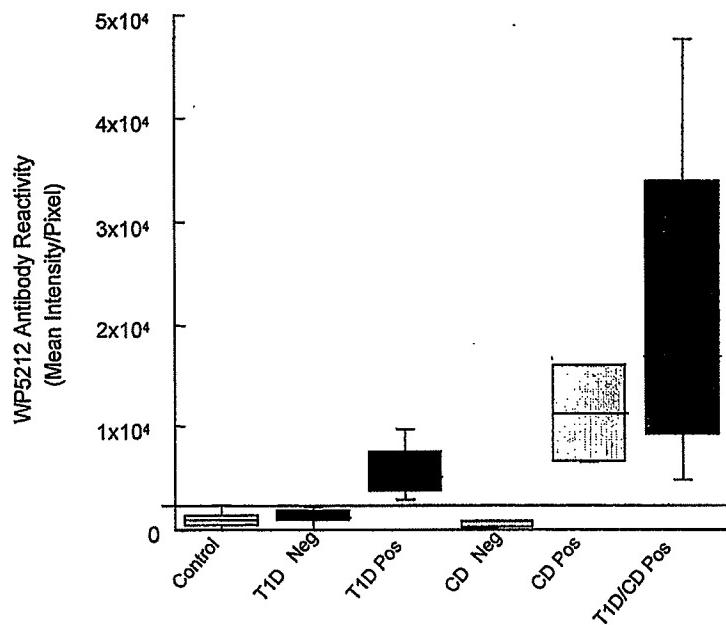
Figure 12A

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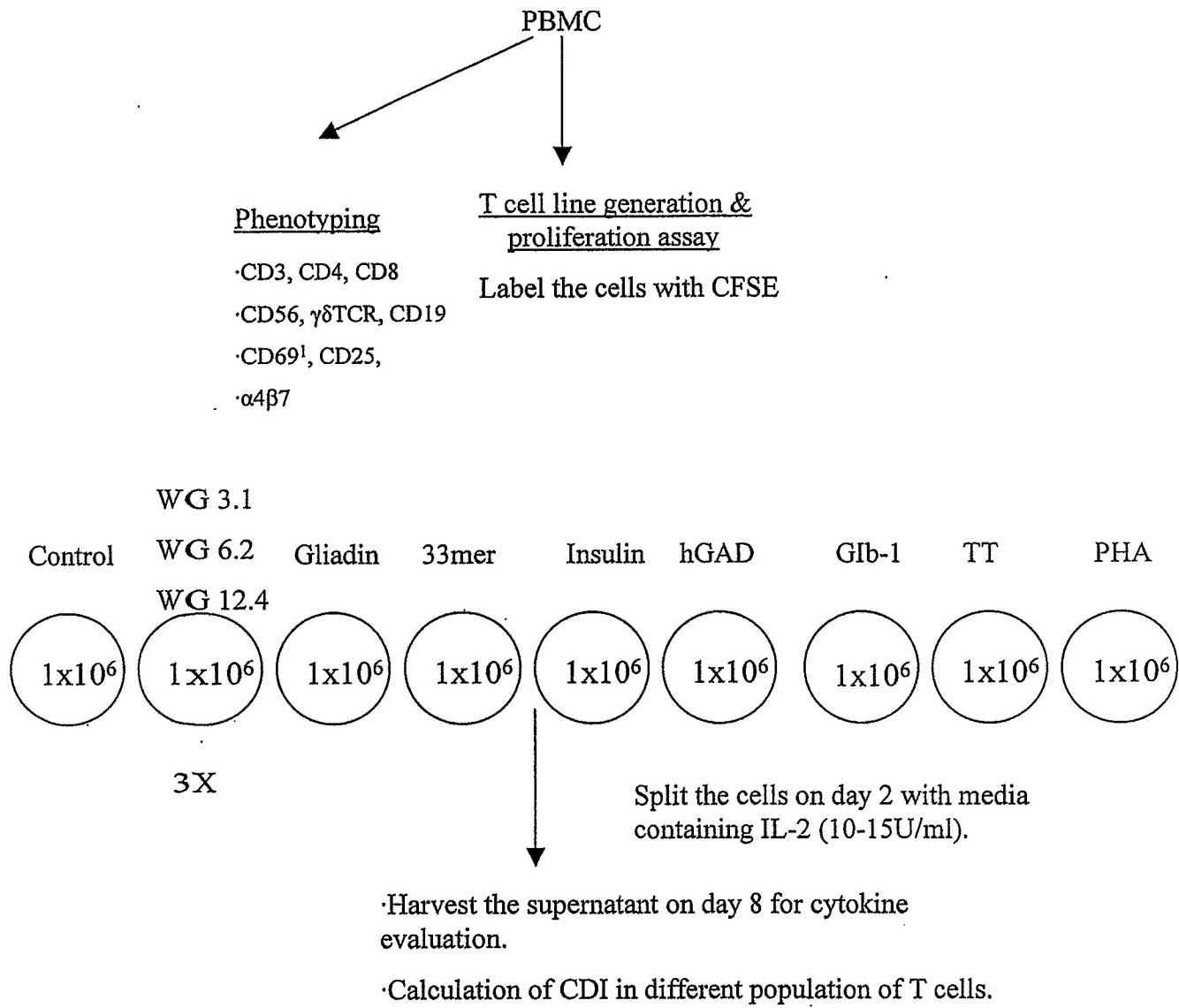
(E)

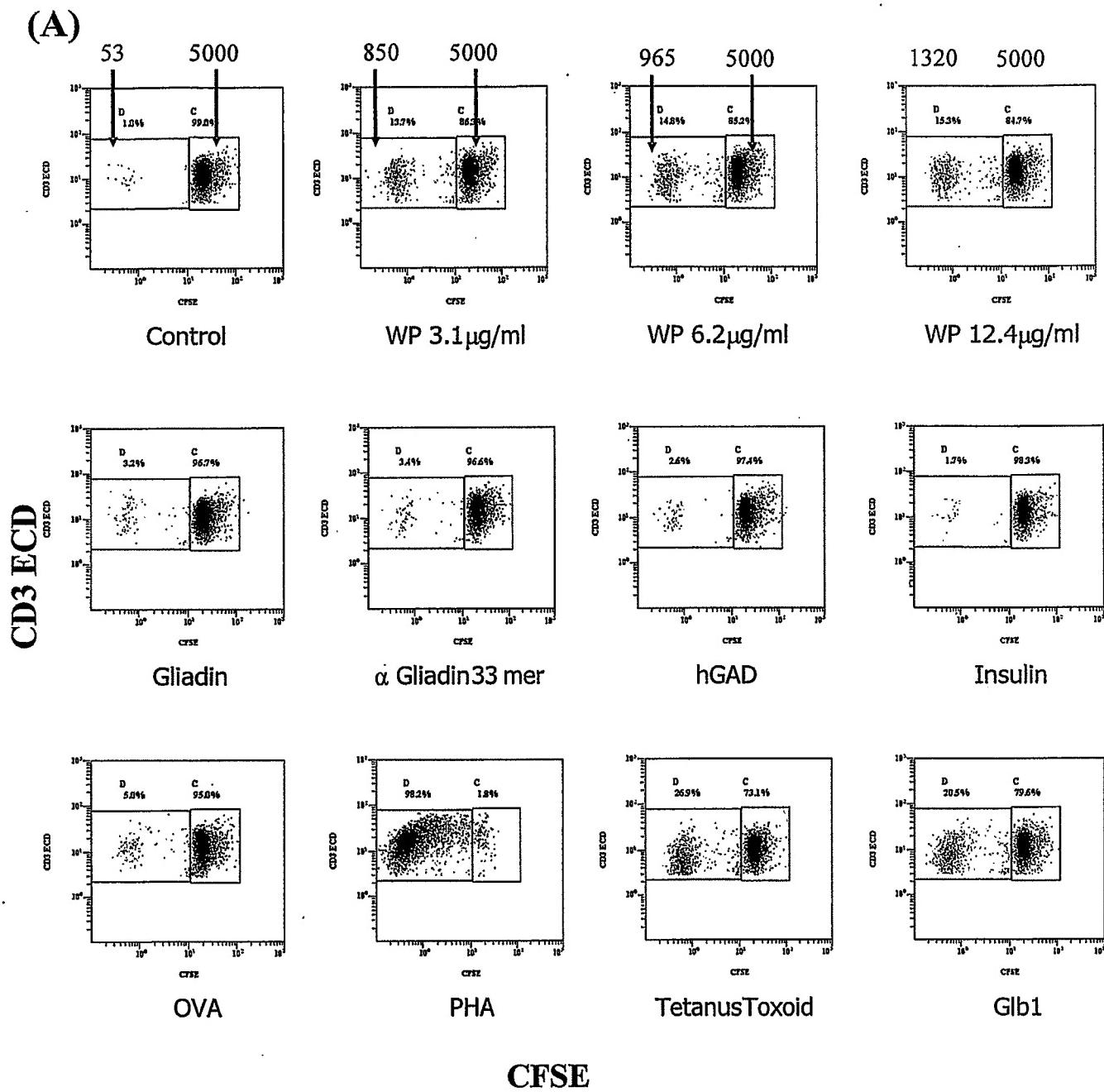


(F)

**Figure 12B**

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**Figure 13**



B
$$\text{CDI} : \frac{\text{Number of } \text{CD3}^+, \text{CFSE}^{\text{dim}} \text{ cells with antigen}}{\text{Number of } \text{CD3}^+, \text{CFSE}^{\text{dim}} \text{ cells without antigen}}$$

Figure 14

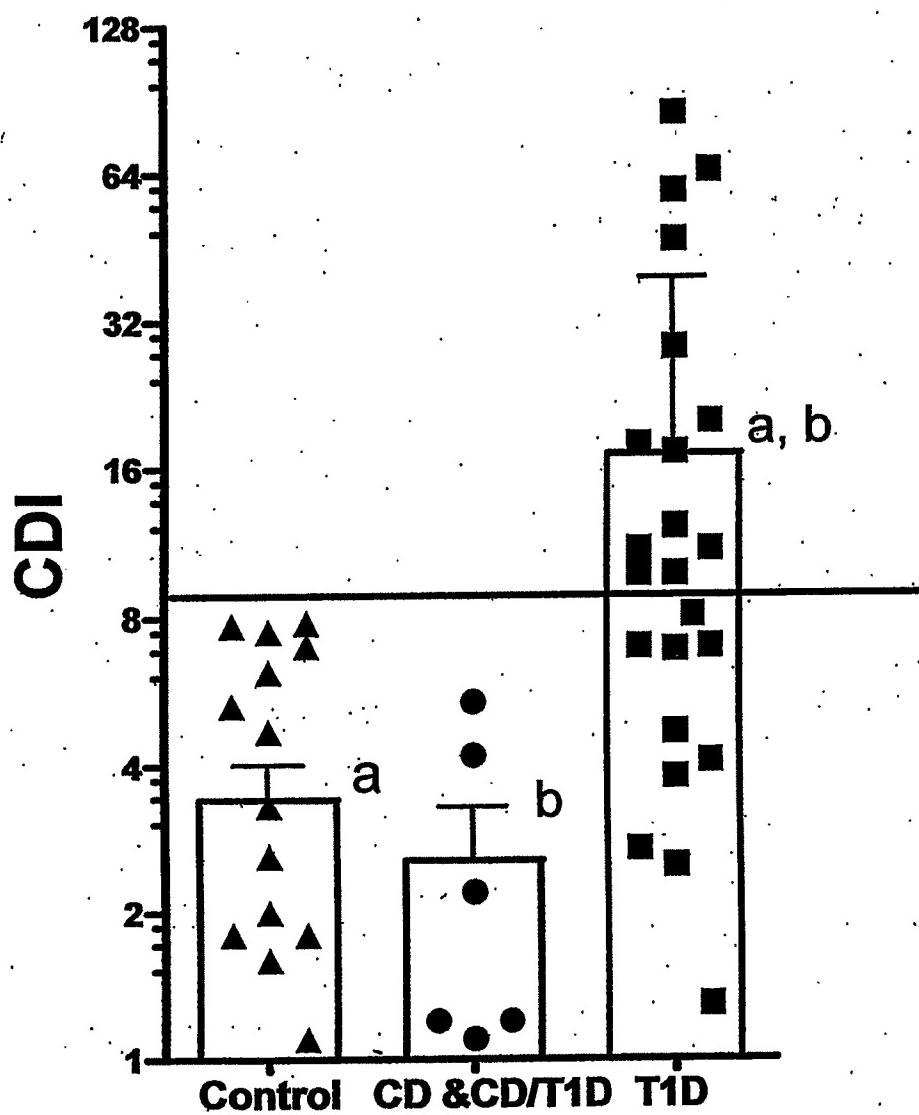
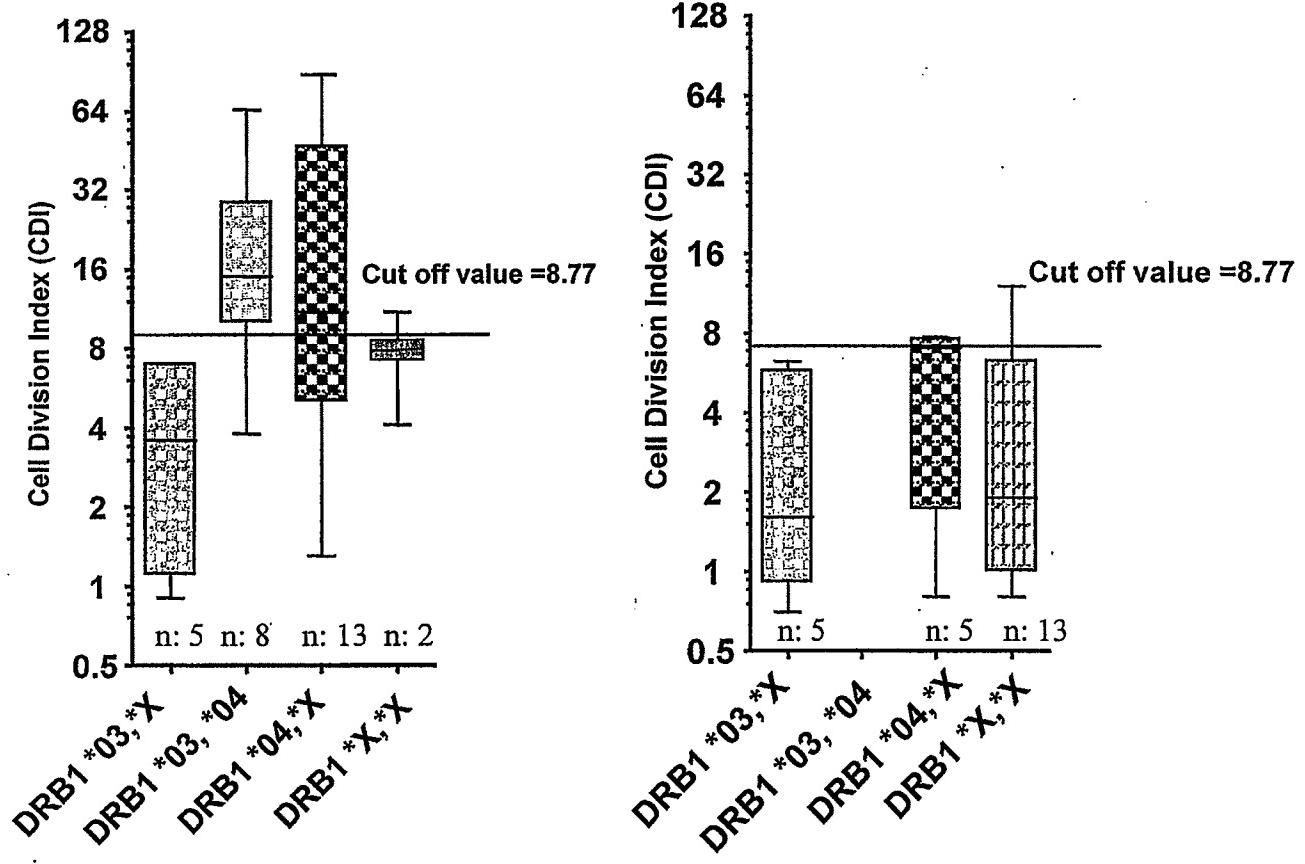


Figure 15

A**B****Figure 16**